

Appl. No. 10/789,528
Amdt. dated July 24, 2008
Reply to Off. Act. of Apr. 8, 2008

Amendments to the Claims:

The following listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method for a mobile terminal to perform ~~of performing~~ a network transaction in a wireless local area network that includes a wireless access point, the method comprising:

awaking from a low power mode;

sending, from a polling station to a polled station, a polling frame to the access point after
awaking from the low power mode;

receiving at the polling station, at least one delay frame from the access point, the at least
one delay frame being transmitted by the polled station in response to the polling frame

temporarily ceasing a procedure for repolling the access point responsive to receiving the
at least one delay frame;

subsequent to receiving the at least one delay frame and temporarily ceasing the
procedure for repolling the access point, receiving a subsequent non-delay frame from the access
point polled station at the polling station in further response to the polling frame; and

returning to the low power mode after receiving the non-delay frame wherein the at least
one delay frame is sent to prevent a repolling procedure by the polling station prior to sending
the non-delay frame.

Claim 2 (currently amended): The ~~[[A]]~~ method of performing a network transaction as defined in claim 1, wherein ~~sending~~ the polling frame includes ~~sending~~ a data packet.

Claim 3 (currently amended): The ~~[[A]]~~ method of performing a network transaction as defined in claim 2, wherein the ~~first delay frame of the~~ at least one delay frame includes an acknowledgment indicating receipt of the data packet.

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Claim 4 (currently amended): ~~The~~ [[A]] method of ~~performing a network transaction as defined~~
in claim 1, wherein ~~receiving the subsequent non-delay frame includes receiving a data packet.~~

Claim 5 (currently amended): ~~The~~ [[A]] method of ~~performing a network transaction as defined~~
in claim 4, further comprising: [[,]]

after receiving the data packet ~~and before returning to the low power mode~~, transmitting
an acknowledgment [[,]] ~~from the polling station to the access point polled station~~, indicating
receipt of the data packet.

Claim 6 (currently amended): ~~The~~ [[A]] method of ~~performing a network transaction as defined~~
in claim 2 [[1]], wherein the ~~data packet method~~ is a quality of service data packet performed by
~~a mobile terminal.~~

Claim 7 (currently amended): ~~The~~ [[A]] method of ~~performing a network transaction as defined~~
in claim 1, wherein ~~the polling frame excludes a data packet receiving the first delay frame of the~~
~~at least one delay frame includes receiving an indication of a number of delay frames to be~~
~~received by the polling station from the polled station.~~

Claim 8 (currently amended): ~~The~~ [[A]] method of ~~performing a network transaction as defined~~
in claim 1, wherein further comprising: [[,]]

during an initial call set up with the access point, ~~transaction receiving at the polling~~
~~station from the access point polled station~~ an indication of the number of delay frames to be sent
~~received by the access point during the network transaction~~ ~~polling station from the polled~~
~~station in subsequent transactions.~~

Claim 9 (currently amended): ~~The~~ [[A]] method of ~~performing a network transaction as defined~~
in claim 1, wherein ~~receiving the subsequent non-delay frame includes receiving a null frame.~~

Claim 10 (currently amended): ~~The~~ [[A]] method of ~~performing a network transaction as defined~~
in claim 1, wherein ~~receiving the at least one delay frame includes receiving a media access~~

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control address identifying corresponding to the access point as an intended target of the at least one delay frame polled station.

Claim 11 (currently amended): A method for a wireless access point to perform ~~of performing~~ a network transaction in a wireless local area network that includes at least one mobile terminal, ~~the method~~ comprising:

~~receiving, from a polling station at a polled station,~~ a polling frame from a mobile terminal;

~~sending to the polling station,~~ at least one delay frame to the mobile terminal in response to receiving the polling frame, the at least one delay frame effecting a temporary cessation of a procedure at the mobile terminal for repolling the access point ~~being transmitted by the polled station; and~~

subsequent to sending the at least one delay frame and prior to receiving another polling frame from the mobile terminal, sending a ~~subsequent non-delay frame to~~ from the polled station at the mobile terminal ~~polling station~~ in further response to the polling frame. ~~[[;]]~~

~~wherein the at least one delay frame is transmitted to prevent a repolling procedure by the polling station and to allow the polled station time to prepare the non-delay frame.~~

Claim 12 (currently amended): The [[A]] method of performing a network transaction as defined in claim 11, wherein ~~receiving~~ the polling frame includes ~~receiving~~ a quality of service data packet.

Claim 13 (currently amended): The [[A]] method of performing a network transaction as defined in claim 12, wherein ~~the first delay frame of~~ the at least one delay frame includes an acknowledgment indicating receipt of the data packet.

Claim 14 (currently amended): The [[A]] method of performing a network transaction as defined in claim 11, wherein ~~sending the subsequent non-delay frame~~ includes ~~sending~~ a data packet.

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Claim 15 (currently amended): ~~The [[A]] method of performing a network transaction as defined in claim 14, further comprising: [[,]]~~

~~after sending the data packet, receiving an acknowledgment, at the polled station from the mobile terminal polling station, indicating that the mobile terminal received receipt of the data packet.~~

Claim 16 (cancelled)

Claim 17 (currently amended): ~~The [[A]] method of performing a network transaction as defined in claim 11, wherein the polling frame excludes a data packet sending the first delay frame of the at least one delay frame includes sending an indication of a number of delay frames to be sent by the polled station to the polling station.~~

Claim 18 (currently amended): ~~The [[A]] method of performing a network transaction as defined in claim 11, further comprising: [[,]]~~

~~during an initial call set up with the mobile terminal, transaction sending from the polled station to the mobile terminal polling station an indication of the number of delay frames to be sent by the polled station to the mobile terminal during the network transaction polling station in subsequent transactions.~~

Claim 19 (currently amended): ~~The [[A]] method of performing a network transaction as defined in claim 11, wherein sending the subsequent non-delay frame includes sending a null frame.~~

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Claim 20 (currently amended): The [[A]] method of performing a network transaction as defined in claim 11, wherein sending the at least one delay frame includes sending a media access control address identifying ~~corresponding to the~~ access point as an intended target of the at least one delay frame polled station.

Claim 21 (new): A method for performing a network transaction in a wireless local area network that includes a first wireless station and a second wireless station, the method comprising:

awaking, by the first wireless station, from a low power mode;

sending, by the first wireless station, a polling frame to the second wireless station after awaking from the low power mode;

receiving, by the first wireless station, at least one delay frame from the second wireless station in response to the polling frame;

temporarily ceasing, by the first wireless station, a procedure for repolling the second wireless station responsive to receiving the at least one delay frame;

subsequent to receiving the at least one delay frame and temporarily ceasing the procedure for repolling the second wireless station, receiving, by the first wireless station, a non-delay frame from the second wireless station in further response to the polling frame; and

returning, by the first wireless station, to the low power mode after receiving the non-delay frame.